

Amendments to the Claims

Claims 1-9 (Canceled).

10. (Currently Amended) An apparatus comprising:

a primary surface of an article;

a first design formed from a first ink that includes a mixture of a polymer and a first element, the first ink being printed into a position of contact with the primary surface, the first element including a metal species, and the first design including at least one dot, wherein selective ones of the at least one dot have approximately a $1.5\text{ mm} \pm 1\text{ mm}$ mean diameter;

a second design formed from a second ink that includes a mixture of a polymer and a second element, the second element including a different metal species than the first element, the second ink being printed into a position of contact with the primary surface, and the second design including at least one other dot, wherein selective ones of the at least one other dot have approximately a $2.5\text{ mm} \pm 2\text{ mm}$ mean diameter;

a spacing on the primary surface that is between the first design and the second design such that the first design does not physically contact the second design, wherein the spacing is approximately $1.5\text{ mm} \pm 1\text{ mm}$; and

at least one repetition of the first design and the second design, the at least one first design repetition being substantially adjacent the second design; ~~and~~

~~a fine line of one of the first or second inks printed at least partially in the spacing and connecting to at least one of the first or second designs.~~

11. (Currently Amended) An apparatus comprising:

a primary surface of an article;

a first design formed from a first ink that includes a mixture of a polymer and a first element, the first ink being printed into a position of contact with the primary surface, the first element including a metal species, and the first design including at least one hexagonally shaped dot, ~~wherein selective ones of the at least one dot have approximately a $1.5\text{ mm} \pm 1\text{ mm}$ mean diameter;~~

a second design formed from a second ink that includes a mixture of a polymer and a second element, the second element including a different metal species than the first element, the second ink being printed into a position of contact with the primary surface, and the second design including at least one other dot, ~~wherein selective ones of the at least one other dot have approximately a $2.5\text{ mm} \pm 2\text{ mm}$ mean diameter;~~ the at least one other dot including two hexagonally shaped dots that are spaced from each other ~~by approximately $2.5\text{ mm} \pm 2\text{ mm}$;~~

a spacing on the primary surface that is between the first design and the second design such that the first design does not physically contact the second design, ~~wherein the spacing is approximately $1.5\text{ mm} \pm 1\text{ mm}$;~~ and

at least one repetition of the first design and the second design, the at least one first design repetition being substantially adjacent the second design wherein multiple repetitions of the first design and the second design result in at least one pattern characterized by the first design being surrounded by six hexagonally shaped dots of the second design.

Claims 12-13 (Canceled).

14. (Currently Amended) A method comprising:

applying a first fluid to a face of a pliable dressing material to form a first design, wherein the first fluid includes a first biocompatible polymer and a first element;

applying a second fluid to the face of the pliable dressing material to form a second design such that the second design is not physically contacting the first design, wherein the second fluid includes a second biocompatible polymer and a second ~~element to form a second fluid~~;

repeating the first design and the second design to create a pattern that alternates between the first design and the second design,

wherein the pliable dressing material is adapted to be applied to an area of damaged tissue;

fixing an absorbent cloth layer to a back of the pliable dressing material; and

bonding an elastic adhesive layer to the absorbent cloth layer such that there is at least one overlapping piece of the elastic adhesive layer for securing the pliable dressing material over an area of damaged tissue.

Claims 15-16 (Canceled).

17. (Previously Presented) The method of claim 14 wherein the first element includes a silver powder, and wherein the second element includes a zinc powder.

18. (Previously Presented) The method of claim 17 wherein applying the first fluid and applying the second fluid include screen printing the first fluid and the second fluid onto the pliable dressing material.

19. (Previously Presented) The method of claim 17 wherein at least some of the particles of the silver powder are approximately 100 microns or less in size.

Claims 20-34 (Canceled).

35. (New) The method of claim 14 wherein:

the first design includes at least one dot, and selective ones of the at least one dot have an approximately $1.5 \text{ mm} \pm 1 \text{ mm}$ mean diameter;

a second design includes at least one other dot, and selective ones of the at least one other dot have an approximately $2.5 \text{ mm} \pm 2 \text{ mm}$ mean diameter; and

forming a spacing on the pliable dressing material between the at least one dot of the first design and the at least one other dot of the second design such that the first design does not physically contact the second design, the spacing being approximately $1.5 \text{ mm} \pm 1 \text{ mm}$.